

# Combustion Capabilities at West Virginia University

## Unique Opportunities

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### Abstract

WVU offers the research expertise, facilities, and management capabilities critical for the support of an alliance for combustion research. WVU researchers bring a unique blend of business and science & technology orientations from both theoretical and applied perspectives. Research disciplines include management, industrial relations, and marketing; economics and finance; mechanical, chemical, and industrial and management systems engineering; physics; and, others. Research techniques encompass survey, computational, and experimental methodologies. Areas of specialization include Advanced Combustion Systems, Cycle Efficiency Improvements, Catalytic Combustion, Advanced Sensors and Controls, and Improved Reliability, Availability, and Cost Reduction. WVU faculty members have established strong relationships with industry and with national laboratory researchers. WVU also offers the management expertise of the National Research Center for Coal & Energy who for nearly 25 years has coordinated large, multidisciplinary programs on campus, and has forged partnerships with other institutions through a variety of consortia. Sample projects and accompanying technical papers will be available at the display.

**Faculty members represented include:** Drs. Jack Fuller, Ismail B. Celik, Ibrahim Yavuz, Dady Dadyburjor, Edwin L. Kugler, Donald Lyons, Eric Johnson, Bruce S. Kang, B. Gopalakrishnan, Mridul Gautam, Richard Turton, Parviz Famouri, Ayyakkannu Manivannan, Mohindar S. Seehra, and Frederick Scherr. Faculty can be reached through the “campus directory button” on the WVU homepage, [www.wvu.edu](http://www.wvu.edu).